

# PATENT COOPERATION TREATY

EFH

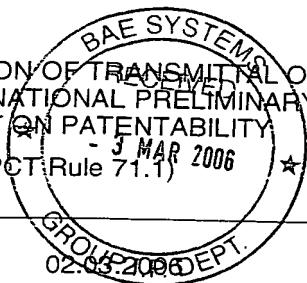
From the  
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

BAE SYSTEMS plc  
GROUP IP DEPARTMENT  
Lancaster House, P.O. Box 87  
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Farnborough, Hampshire, GU14 6YU  
GRANDE BRETAGNE

**PCT**

NOTIFICATION OF TRANSMISSION OF  
THE INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(PCT Rule 71.1)



Date of mailing  
(day/month/year)

02.03.2006

Applicant's or agent's file reference  
**XA1911**

## IMPORTANT NOTIFICATION

International application No. <b>PCT/GB2005/050024</b>	International filing date (day/month/year) <b>25.02.2005</b>	Priority date (day/month/year) <b>01.03.2004</b>
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Applicant  
**BAE SYSTEMS PLC et al.**

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary report on patentability and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

#### 4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.

Name and mailing address of the international preliminary examining authority:



European Patent Office - P.B. 5818 Patentlaan 2  
NL-2280 HV Rijswijk - Pays Bas  
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**PATENT COOPERATION TREATY**  
**PCT**  
**INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY**  
(Chapter II of the Patent Cooperation Treaty)  
(PCT Article 36 and Rule 70)

Applicant's or agent's file reference XA1911	<b>FOR FURTHER ACTION</b>		See Form PCT/IPEA/416
International application No. PCT/GB2005/050024	International filing date (day/month/year) 25.02.2005	Priority date (day/month/year) 01.03.2004	
International Patent Classification (IPC) or national classification and IPC H04L12/56, H04L12/26			
Applicant BAE SYSTEMS PLC et al.			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> (<i>sent to the applicant and to the International Bureau</i>) a total of 1 sheets, as follows:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</li> <li><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</li> </ul> <p>b. <input type="checkbox"/> (<i>sent to the International Bureau only</i>) a total of (indicate type and number of electronic carrier(s)), containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Box No. I Basis of the opinion</li> <li><input type="checkbox"/> Box No. II Priority</li> <li><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</li> <li><input type="checkbox"/> Box No. IV Lack of unity of invention</li> <li><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</li> <li><input type="checkbox"/> Box No. VI Certain documents cited</li> <li><input type="checkbox"/> Box No. VII Certain defects in the international application</li> <li><input type="checkbox"/> Box No. VIII Certain observations on the international application</li> </ul>			
Date of submission of the demand 12.12.2005	Date of completion of this report 02.03.2006		
Name and mailing address of the international preliminary examining authority:   European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016	Authorized Officer  Perrier, S Telephone No. +31 70 340-4245		

# INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/GB2005/050024

### **Box No. I Basis of the report**

- With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
    - This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
      - international search (under Rules 12.3 and 23.1(b))
      - publication of the international application (under Rule 12.4)
      - international preliminary examination (under Rules 55.2 and/or 55.3)
  - With regard to the **elements\*** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

**Description, Pages**

1-9 as originally filed

## **Claims, Numbers**

1, 2 received on 12.12.2005 with letter of 05.12.2005

## **Drawings, Sheets**

1/3-3/3 as originally filed

- a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
  - 3.  The amendments have resulted in the cancellation of:
    - the description, pages
    - the claims, Nos.
    - the drawings, sheets/figs
    - the sequence listing (*specify*):
    - any table(s) related to sequence listing (*specify*):
  - 4.  This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
    - the description, pages
    - the claims, Nos.
    - the drawings, sheets/figs
    - the sequence listing (*specify*):
    - any table(s) related to sequence listing (*specify*):

\* If item 4 applies, some or all of these sheets may be marked "superseded."

**INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY**

International application No.  
PCT/GB2005/050024

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**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes:	Claims	1-2
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-2
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-2
	No:	Claims	

**2. Citations and explanations (Rule 70.7):**

**see separate sheet**

**INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(SEPARATE SHEET)**

International application No.  
PCT/GB2005/050024

**Re Item V**

**Reasoned statement with regard to novelty, inventive step or industrial applicability;  
citations and explanations supporting such statement**

Reference is made to the following documents:

D1: US 2002/101860 A1 (BHATIA RAJIV ET AL) 1 August 2002 (2002-08-01)

1. The present application concerns "a method of call admission control for continuous stream of data packet switched networks".
2. One prior art solution (D1) of call admission control for continuous stream of data packet switched networks includes at least two local area networks communicating with one another across a connecting network.

The problem to be solved by the application is how to control call admission.

3. This is achieved by the subject-matter of claim 1, in particular by the method steps of determining success rates of previous calls from a first local area network to a second area network; determining current packet loss rate for calls from the first local area network to the second area network; and deciding to drop the call attempt based on the current packet loss rate and the success rates of previous calls.
4. The technical effect of these additional method steps is a new way to control call admission for continuous stream of data packet switched networks based on both the current packet loss rate and the success rates of previous calls.
5. The subject-matter of the present invention as claimed in claim 1 is neither disclosed nor rendered obvious by the remaining prior art document cited in the International Search Report since said document which relate to a method for controlling call admission, do not describe or render obvious the control of calls based on both the current packet loss rate and the success rates of previous calls.
6. The subject-matter of claim 1 therefore is considered to be new and to involve an

**INTERNATIONAL PRELIMINARY  
REPORT ON PATENTABILITY  
(SEPARATE SHEET)**

International application No.  
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inventive step, Article 33(2) and (3) PCT.

7. As claim 2 is dependent on claim 1, claim 2 also meets the requirements of Article 33(2) and (3) PCT.

12. 12. 2005

(61)

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## CLAIMS:

1. A method of call admission control for a continuous stream of data in packet switched networks including at least two local area networks communicating with one another across a connecting network, the method comprising the steps of:

- a) determining success rates of previous calls from a first local area network to a second local area network;
  - b) determining current packet loss rate for calls from the first local area network to the second local area network; and
  - c) deciding to drop the call attempt based on the current packet loss rate and the success rates of previous calls.
2. A method according to claim 1, wherein step c) includes the steps of:
- d) transmitting a burst of trial data from a first node in the first local area network through the connecting network to a second node in the second local area network;
  - e) reflecting the burst of trial data received at the second node back to the first node;
  - f) receiving the reflected burst of trial data at the first node through the connecting network; and
  - g) comparing the reflected burst of trial data to the transmitted burst of trial data to determine whether transmission of a continuous stream of data can be initiated from the first node in the first local area network to the second node in the second local area network.